

S.No. : 582

BCADS 1202

No. of Printed Pages : 04

Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 15807

Roll
No.

--	--	--	--	--	--	--	--	--	--

BCA Examination 2021-22

(Even Semester)

CLOUD APPLICATION DEVELOPMENT

Time : Three Hours]

[Maximum Marks : 60

Note :— Attempt all questions.

SECTION – A

1. Attempt all parts of the following : $8 \times 1 = 8$

- (a) What is Cloud Computing?
- (b) Define hybrid cloud.
- (c) What do you mean by software as a service?
- (d) What is REST?
- (e) What are the advantages of cloud computing?

[P. T. O.

- (f) What is an API?
- (g) What is Resource Pooling?
- (h) What is the platform as a service?

SECTION – B

2. Attempt any two parts of the following : $2 \times 6 = 12$

- (a) Describe the different cloud service models.
- (b) What are the different models for deployment in cloud computing?
- (c) What is DevOps? Write down the main advantages of DevOps.
- (d) Define database management system. Also describe what is SQL and NoSQL?

SECTION – C

Note :- Attempt all questions. Attempt any two parts from each questions. $5 \times 8 = 40$

3. (a) What is NoSQL? When should we use NoSQL over SQL?

- (b) Write down the differences between SQL and NoSQL.
- (c) Write down the steps involved in inserting the following in cloudant database, assuming it is a university's student data :

Reg. No.	Name	Roll No.	Phone No.
12345	ABC	101	9988999888
12346	XYZ	102	8899888999

4. (a) What is JSON? What is an object and an array in context of JSON?
- (b) What is client-server model? Describe with a neat and clean diagram.
- (c) What is CURL? What is POSTMAN? Why do we use these tools?
5. (a) What are the various tools offered in continuous delivery tool chain? Describe each one in brief.
- (b) What is GIT? Is GIT the same as GITHUB? If not, what is the difference between GIT and GITHUB?

[P. T. O.]

- (c) Find and fix the error(s) in the following JSON document :

```
{  
    Student Name : Vidya;  
    Student Roll Number = 101;  
    Student Phone Numbers = {9988999888,  
                             8899888999};  
}
```

6. (a) What is “header” in request/response? What is its significance?
- (b) What is IBM Watson? What are the different services provided by IBM Watson?
- (c) What is IBM Cloud CLI? Write down the commands involved in pushing a local application to IBM cloud using IBM cloud CLI along with the steps involved.
